

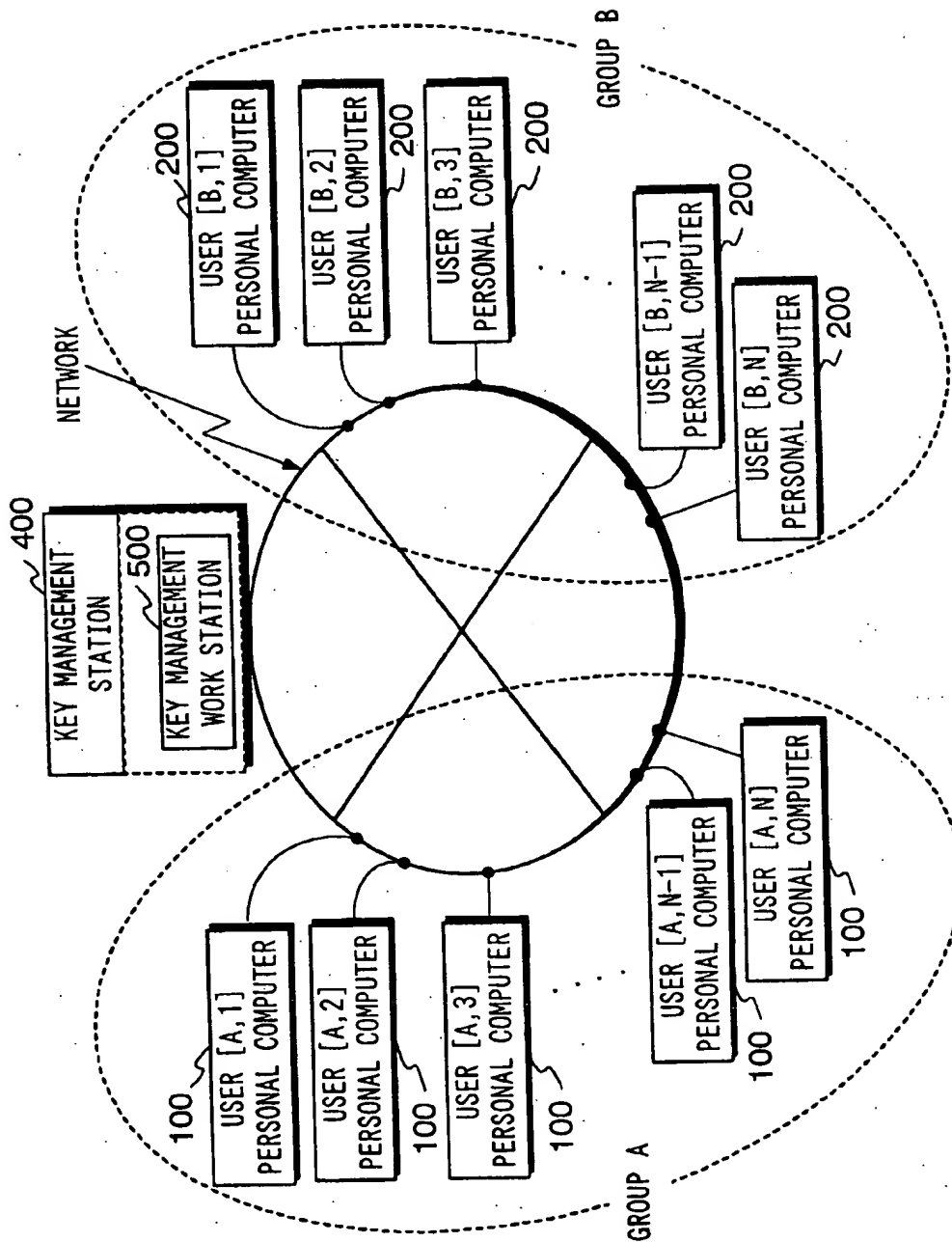


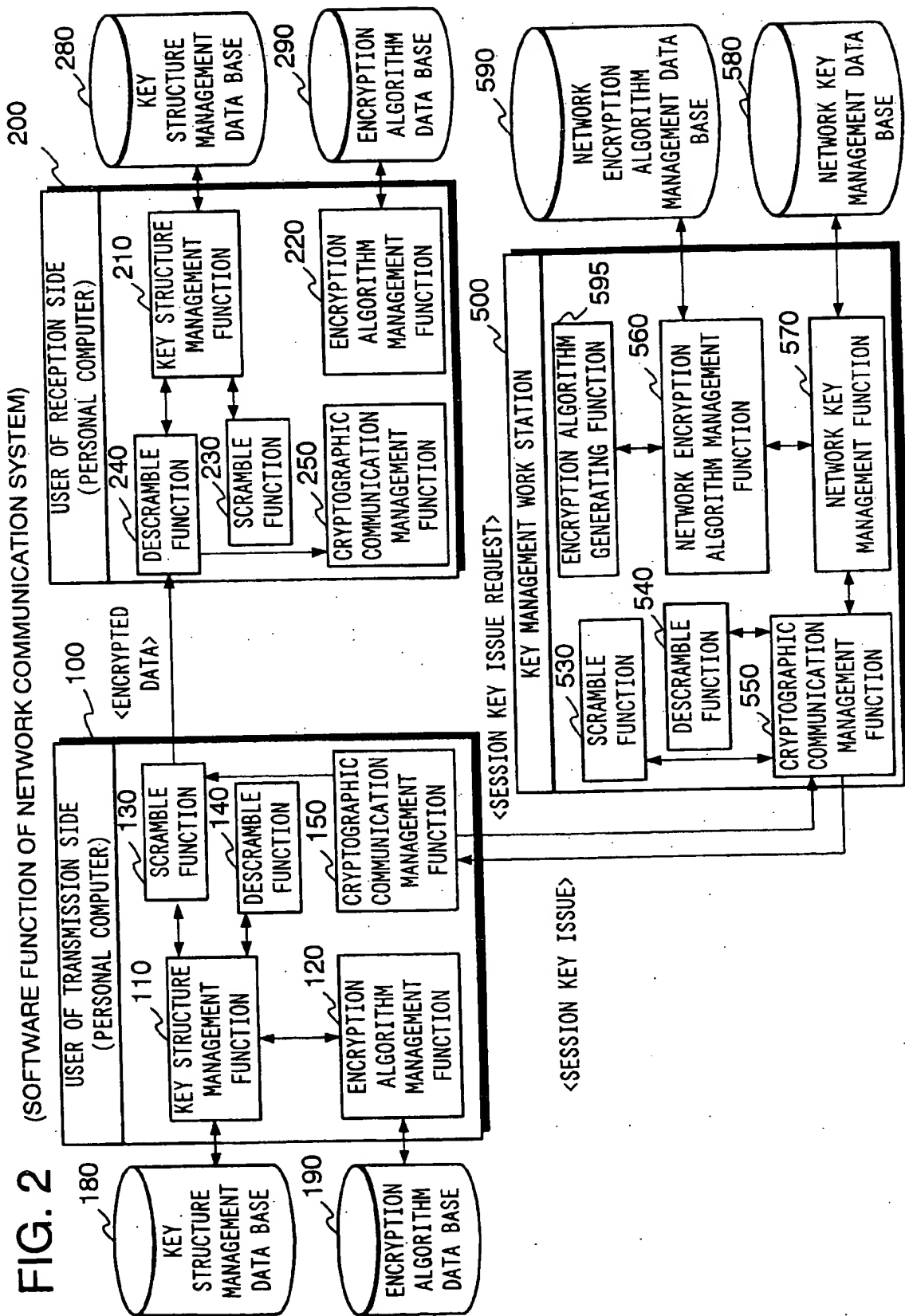
09/345-446

1/25

FIG. 1

(NETWORK COMMUNICATION SYSTEM)







3/25

FIG. 3A

NETWORK ENCRYPTION ALGORITHM MANAGEMENT DATA BASE

USER ID	ENCRYPTION ALGORITHM NAME	ENCRYPTION ALGORITHM VERSION	UPDATING DATE
KEY MANAGEMENT STATION ID	ENCRYPTION ALGORITHM NAME	ENCRYPTION ALGORITHM VERSION	UPDATING DATE

FIG. 3B

NETWORK KEY MANAGEMENT DATA BASE

USER ID	ENCRYPTION ALGORITHM NAME	ENCRYPTION ALGORITHM VERSION	KEY INFORMATION	UPDATING DATE
KEY MANAGEMENT STATION ID	ENCRYPTION ALGORITHM NAME	ENCRYPTION ALGORITHM VERSION	KEY INFORMATION	UPDATING DATE



FIG. 4A

ENCIPHERMENT ALGORITHM MANAGEMENT DATA BASE

ENCIPHERMENT ALGORITHM NAME	ENCIPHERMENT ALGORITHM VERSION	UPDATING DATE
-----------------------------	--------------------------------	---------------

FIG. 4B

KEY STRUCTURE MANAGEMENT DATA BASE

ENCIPHERMENT ALGORITHM NAME	ENCIPHERMENT ALGORITHM VERSION	USER KEY INFORMATION	UPDATING DATE
ENCIPHERMENT ALGORITHM NAME	ENCIPHERMENT ALGORITHM VERSION	KEY INFORMATION OF KEY MANAGEMENT STATION	UPDATING DATE

FIG. 5
 (OUTLINE OF ENCRYPTION ALGORITHM CONVERSION)

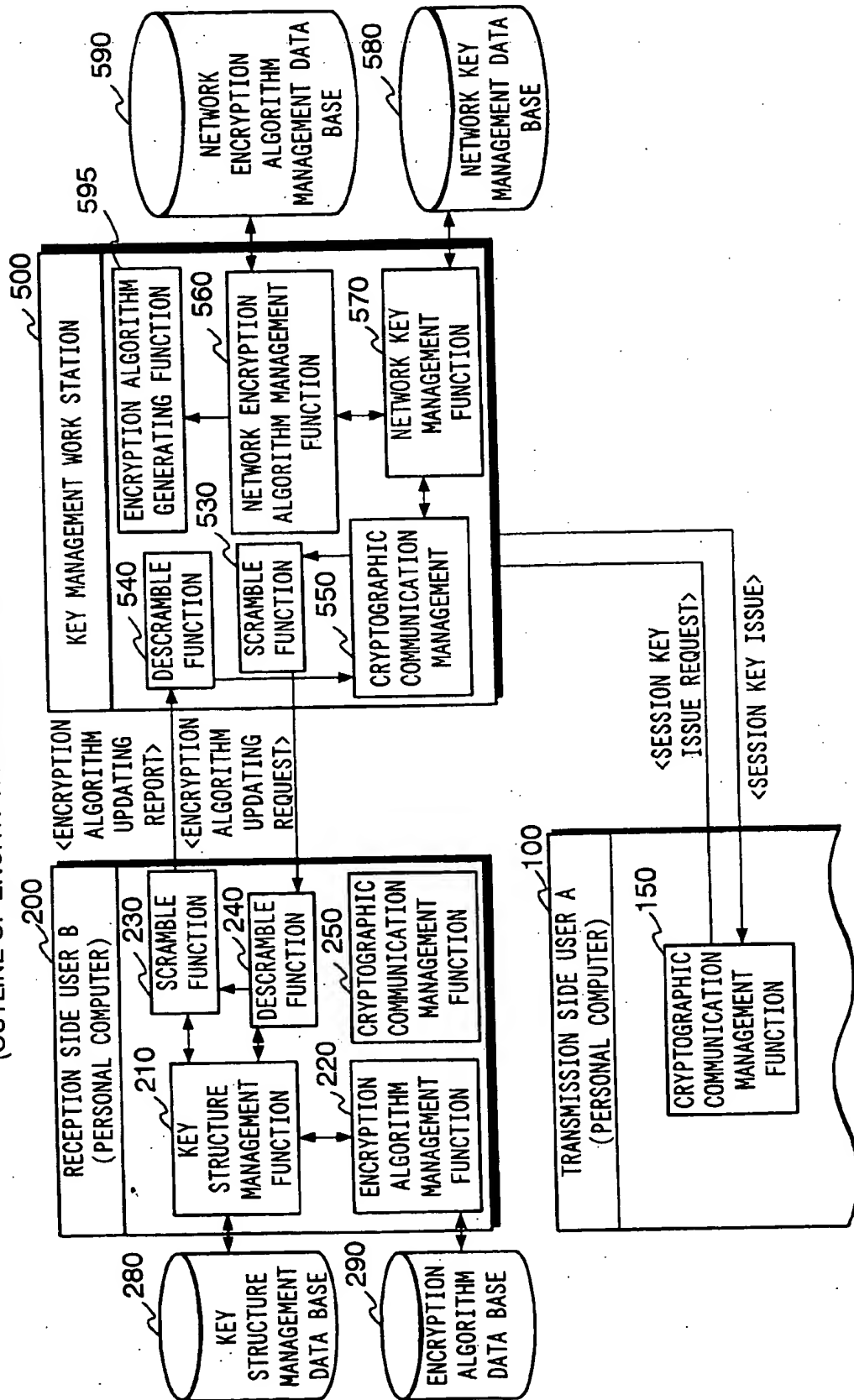


FIG. 7

(CRYPTOGRAPHIC COMMUNICATION BY COMMON KEY CIPHER)

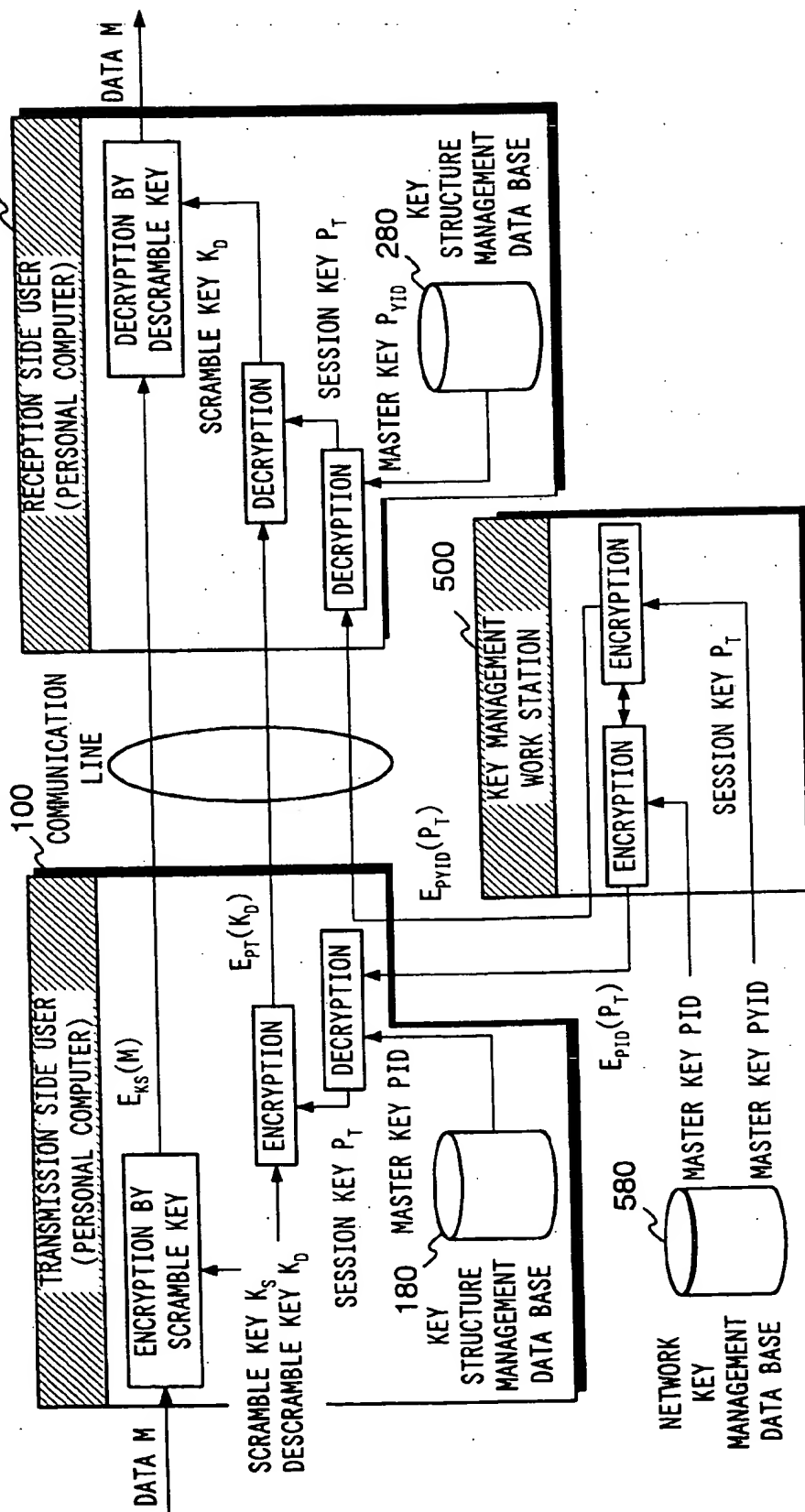
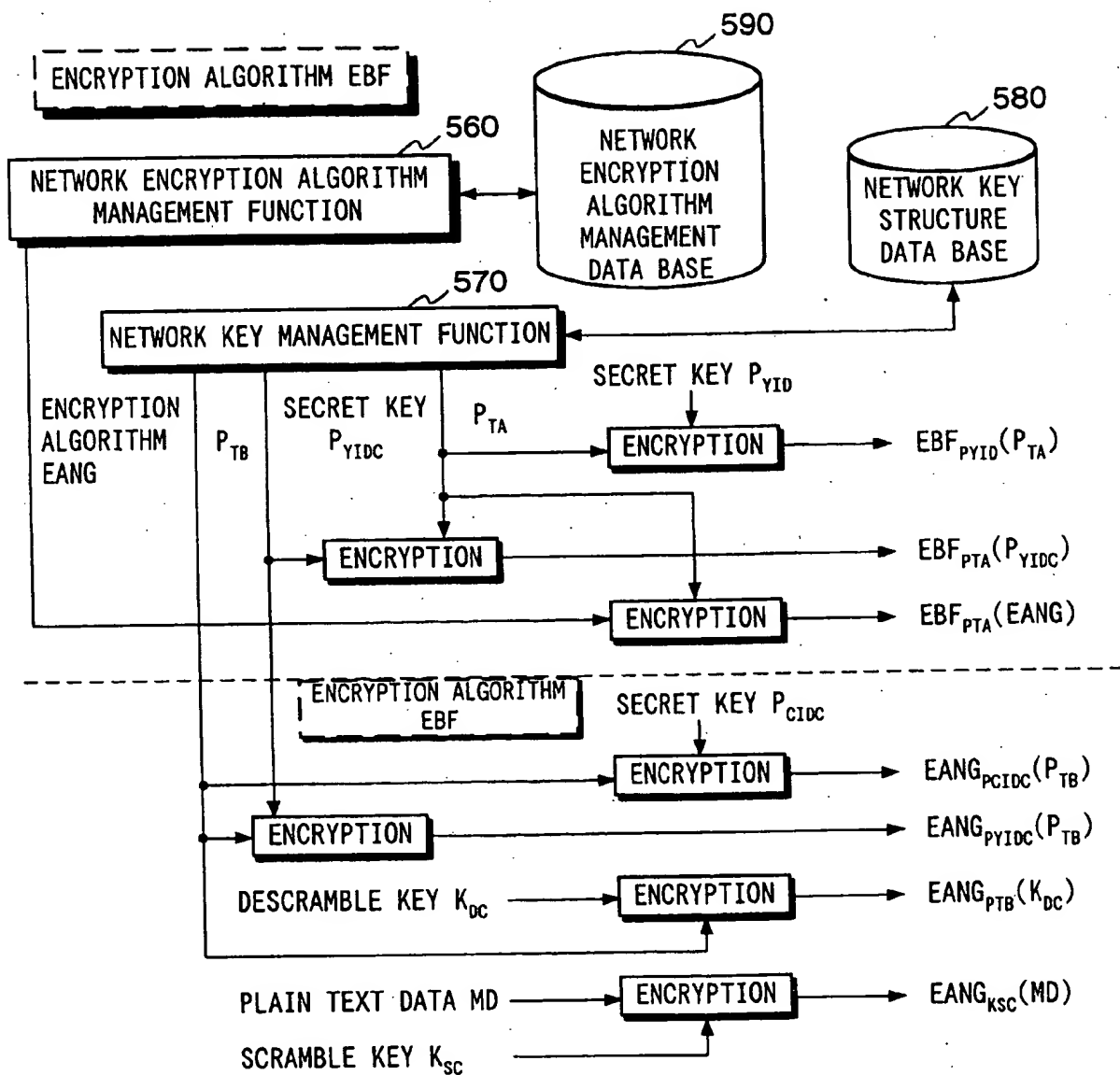


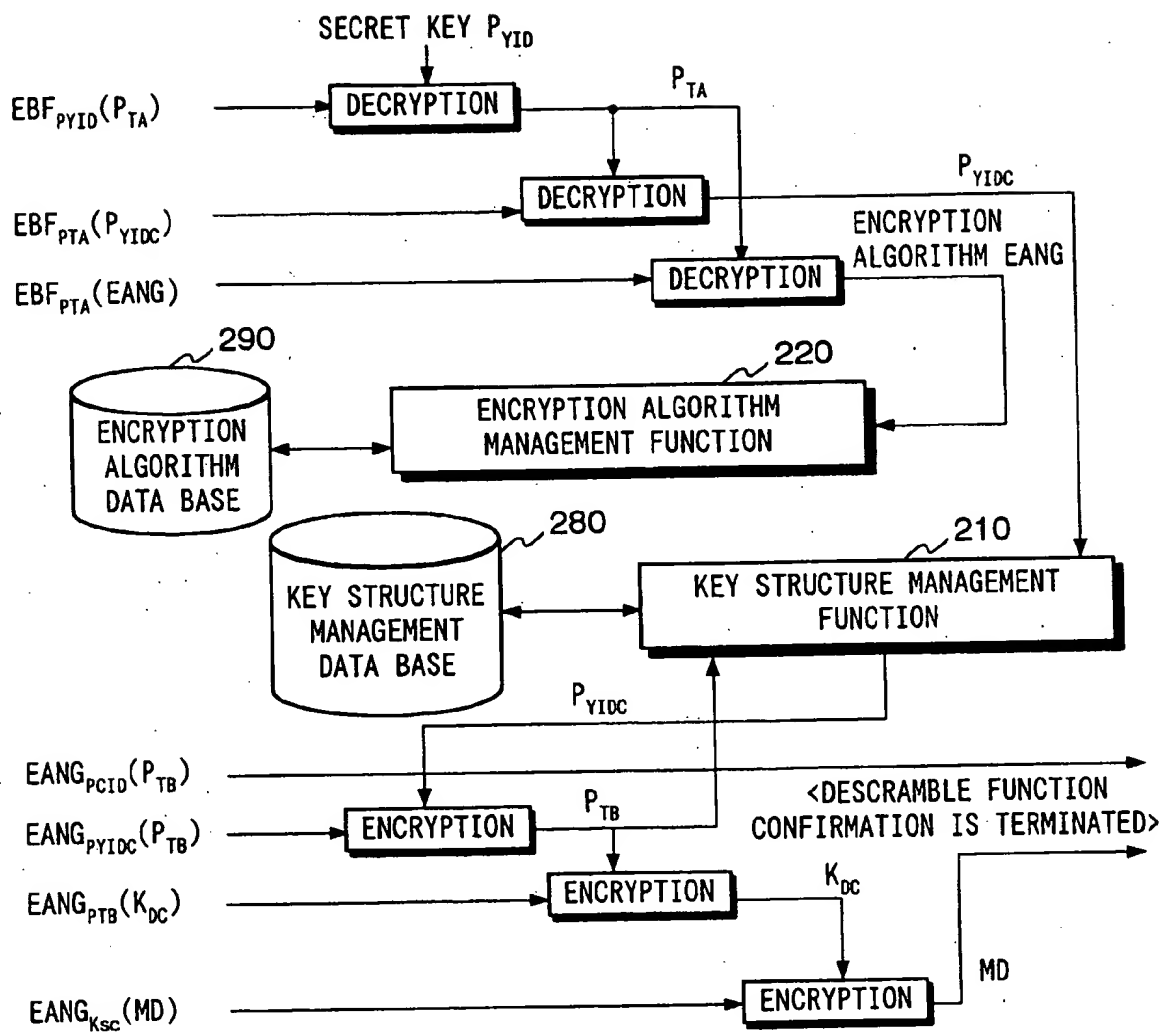
FIG. 8





9/25

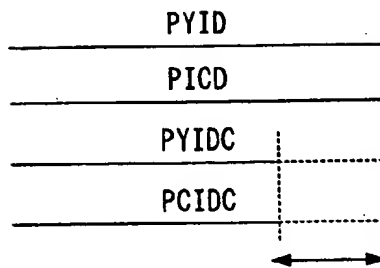
FIG. 9





10/25

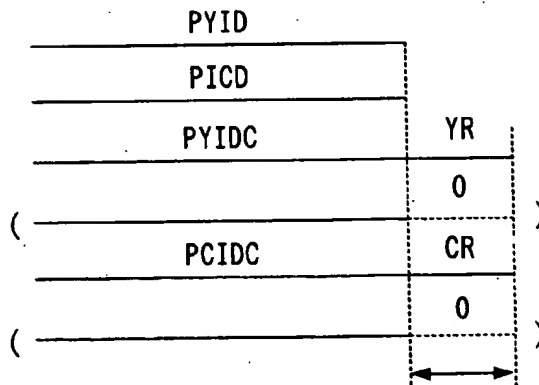
FIG. 10A



KEY LENGTH TO BE DELETED

CASE WHERE THE KEY LENGTH IS SHORTENED

FIG. 10B



KEY LENGTH TO BE ADDED

CASE WHERE THE KEY LENGTH IS PROLONGED

FIG. 11

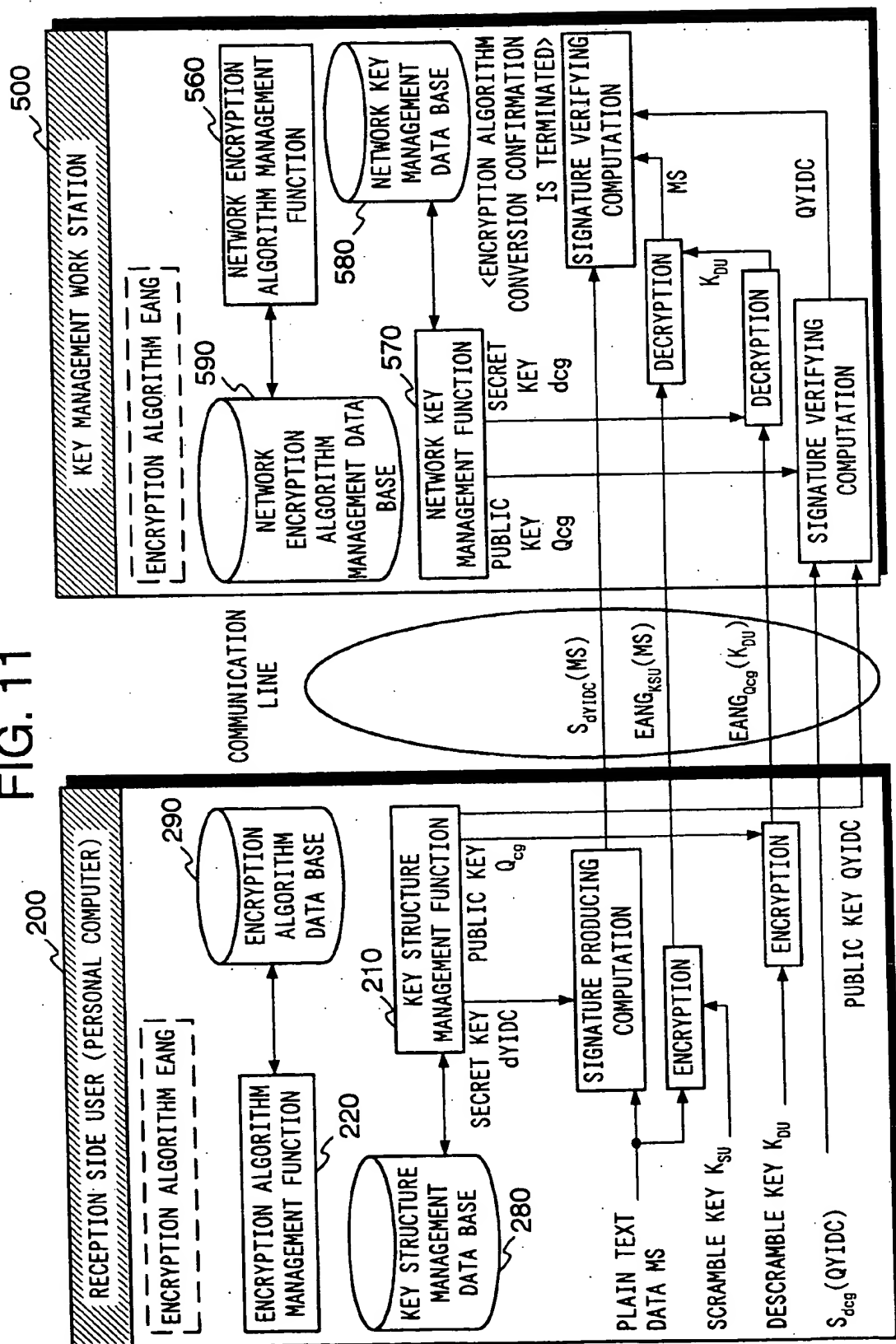


FIG. 12

(CRYPTOGRAPHIC COMMUNICATION BY PUBLIC KEY CIPHER)

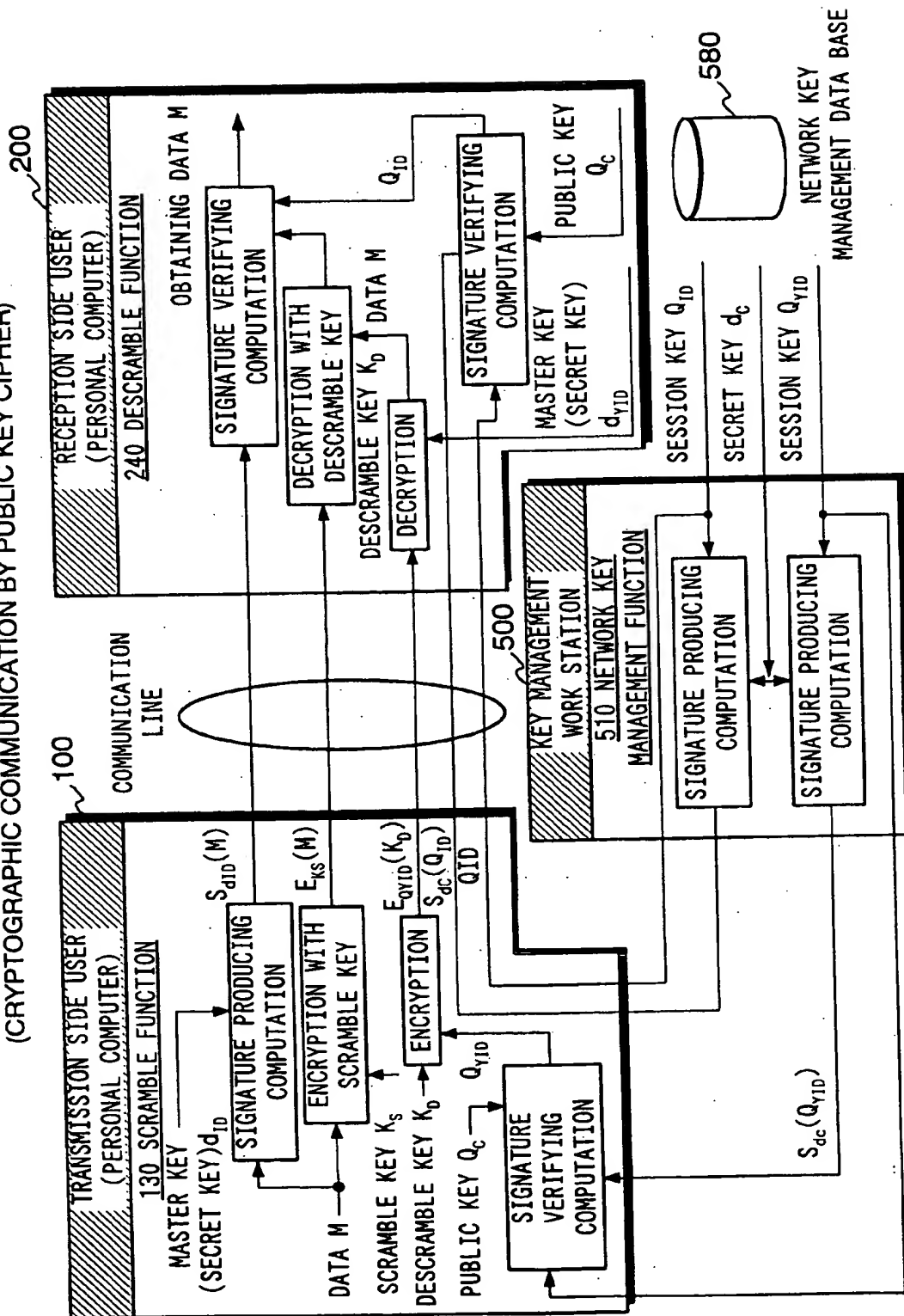


FIG. 13

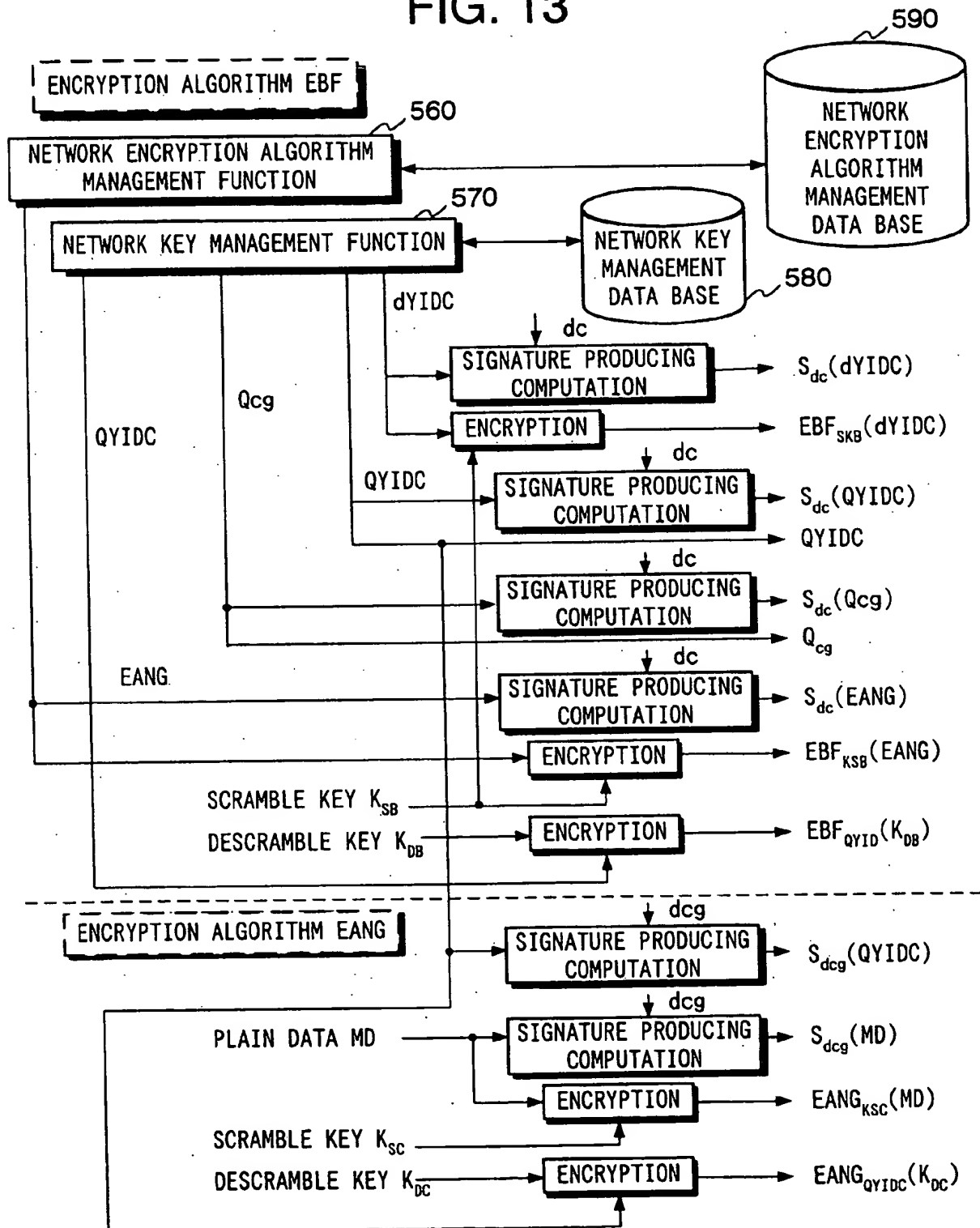
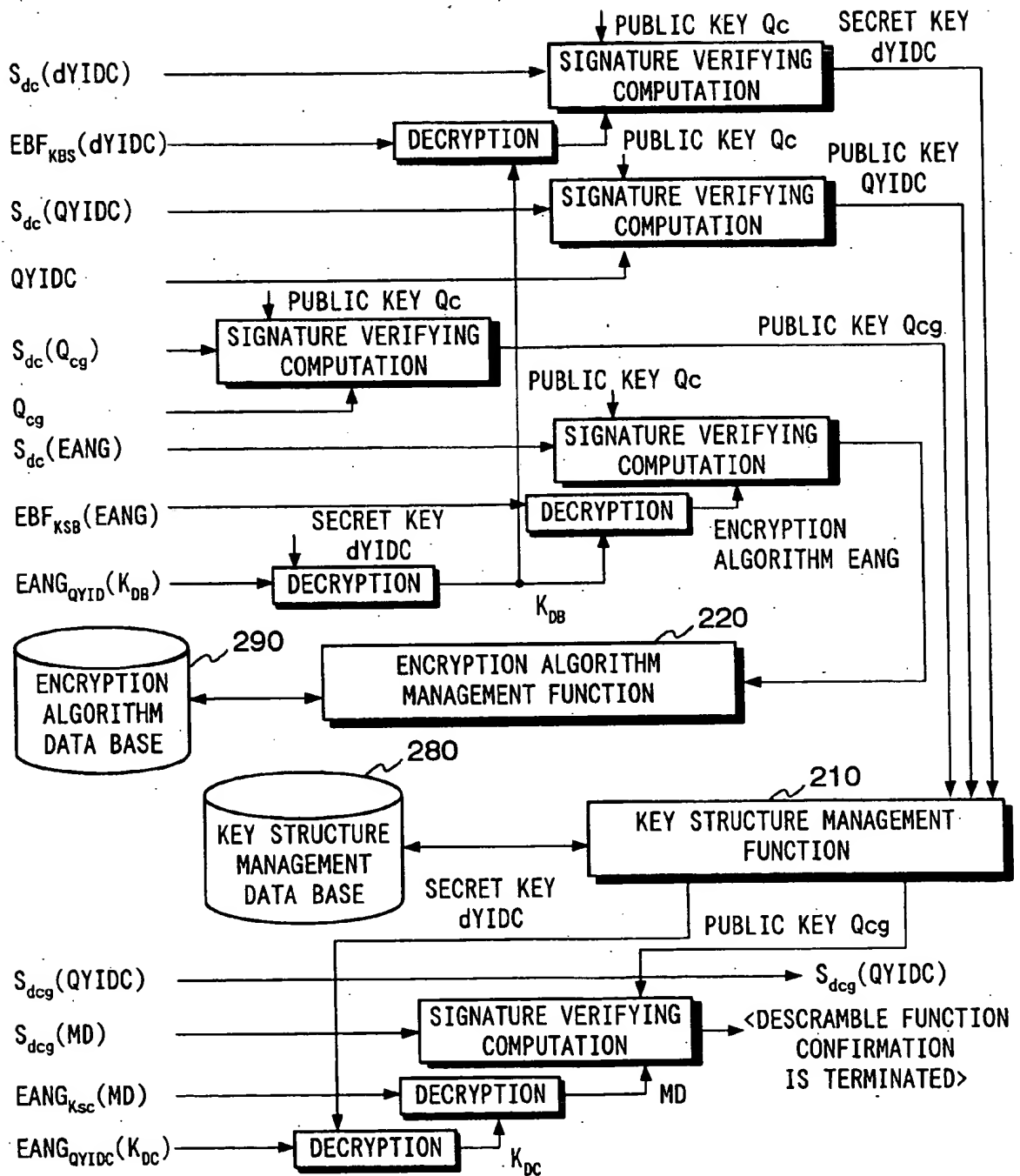


FIG. 14





15/25

FIG. 15

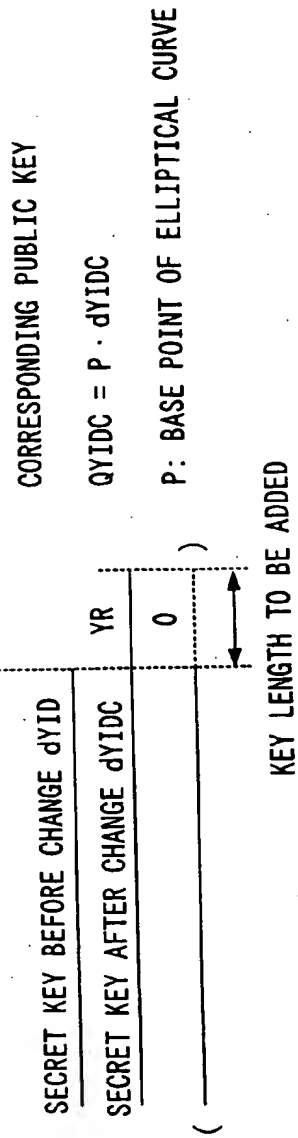


FIG. 16

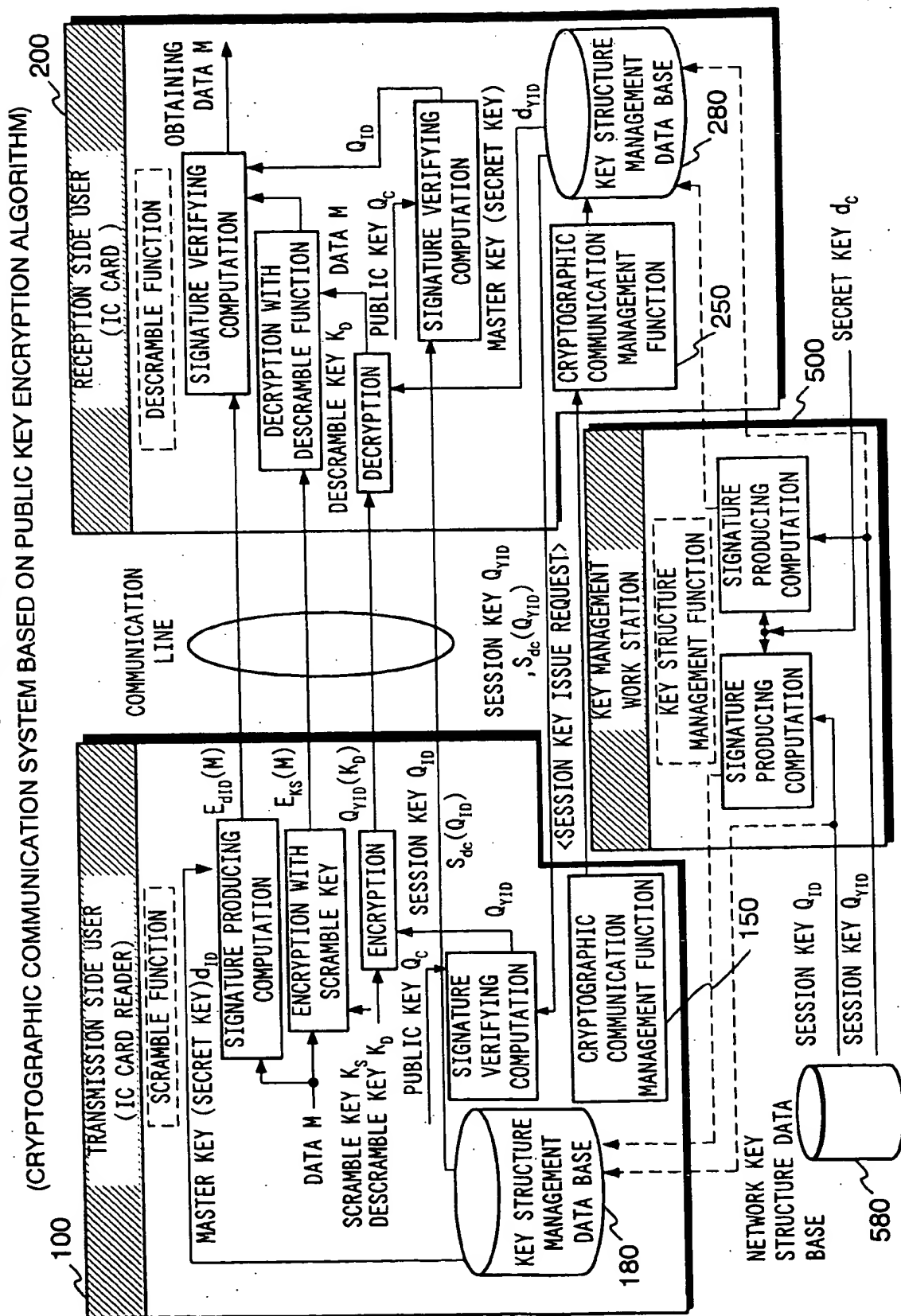


FIG. 17 (ALGORITHM CONVERSION OF PORTABLE INFORMATION PROCESSING UNIT)

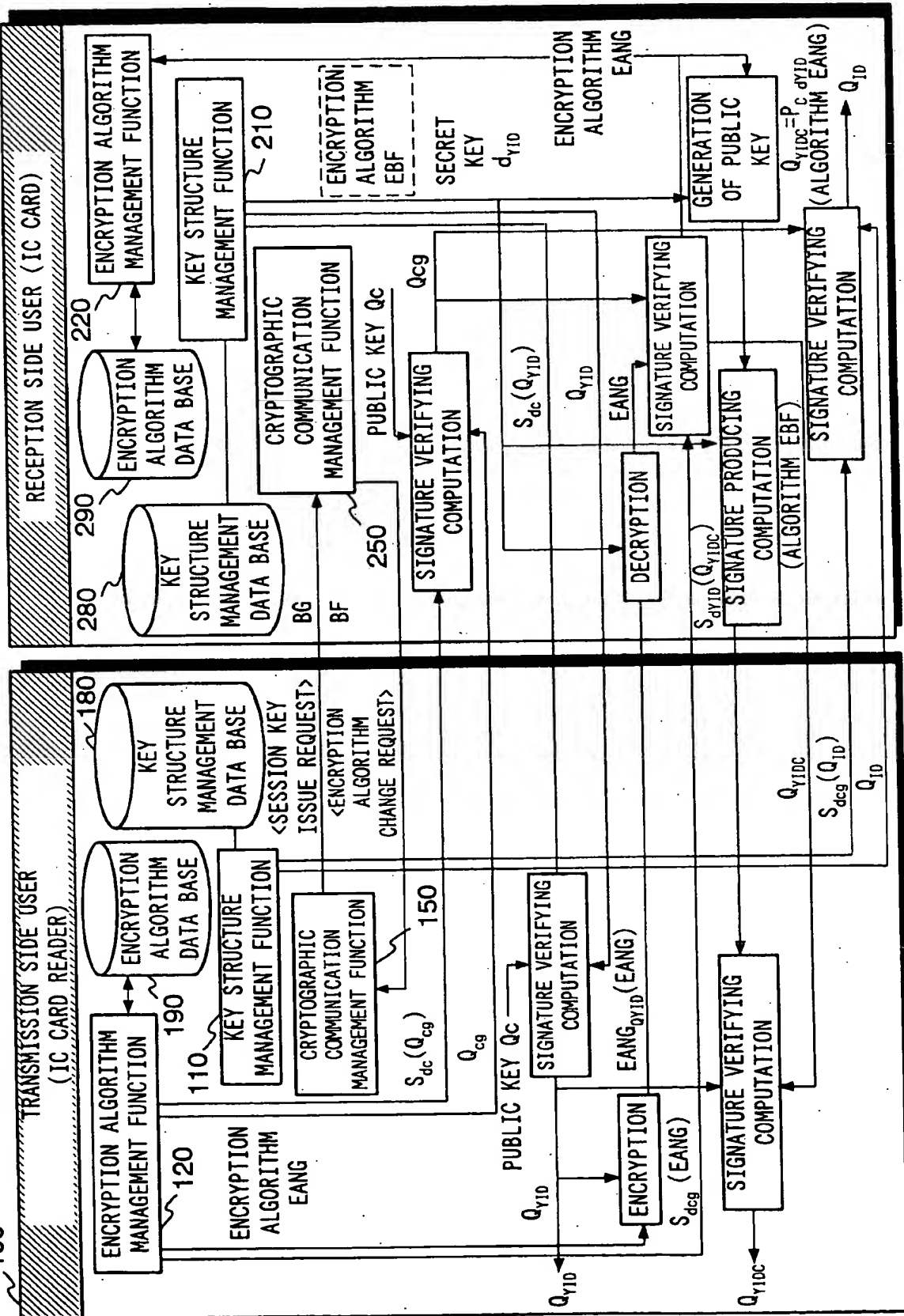


FIG. 18

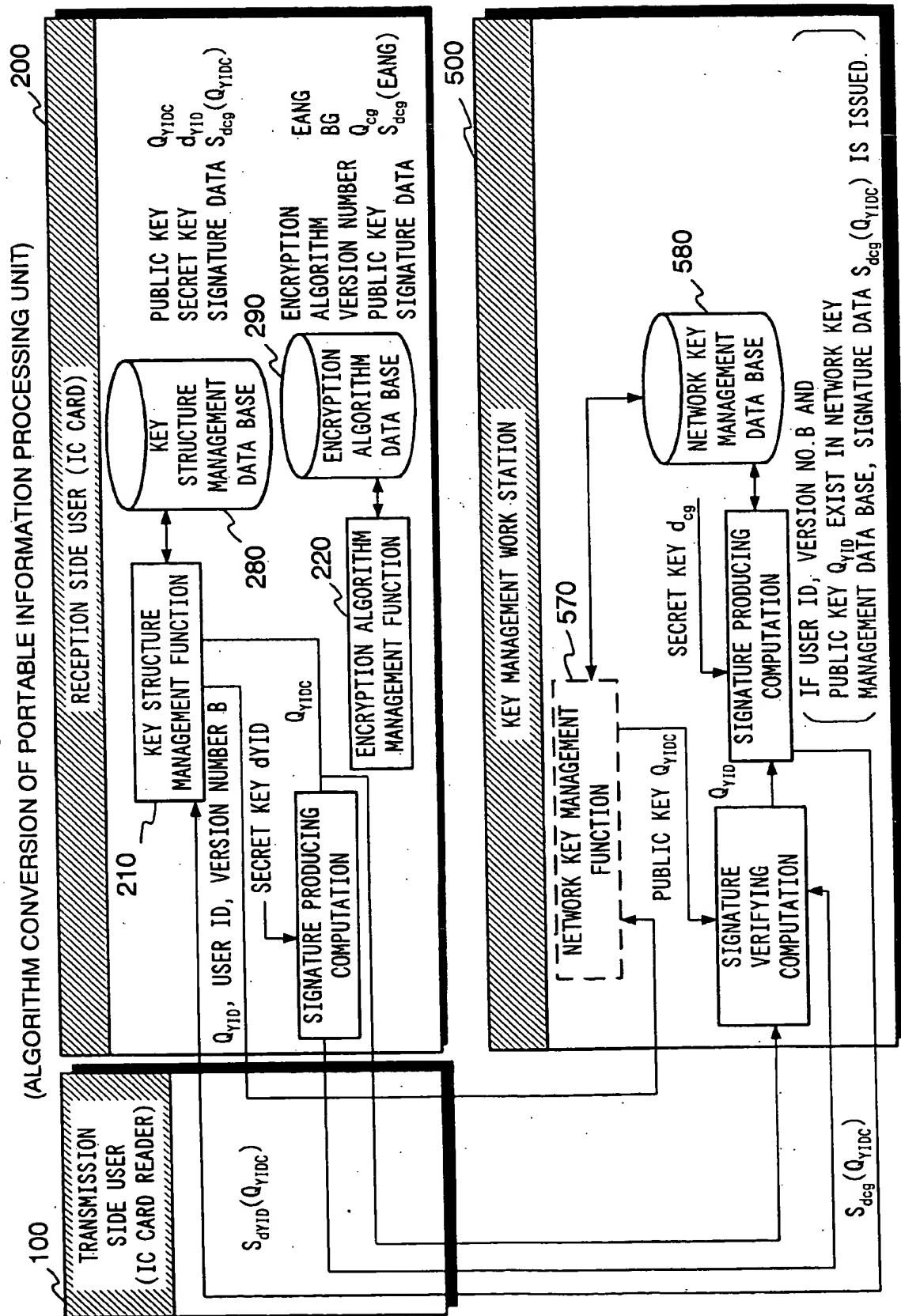


FIG. 19

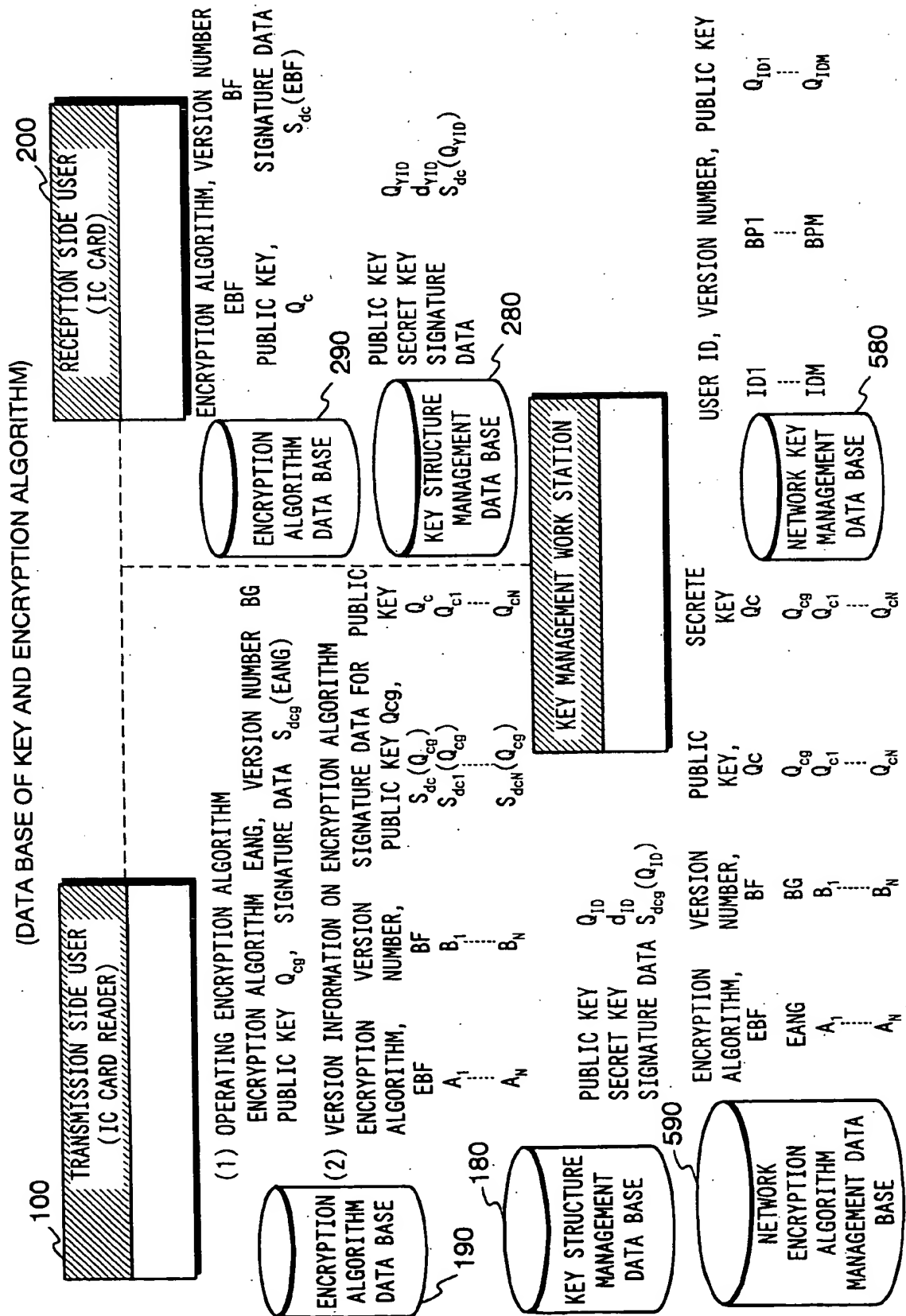


FIG. 20

(ENCRYPTION ALGORITHM CONVERSION FOR USER TO GENERATE HIS OWN KEY)

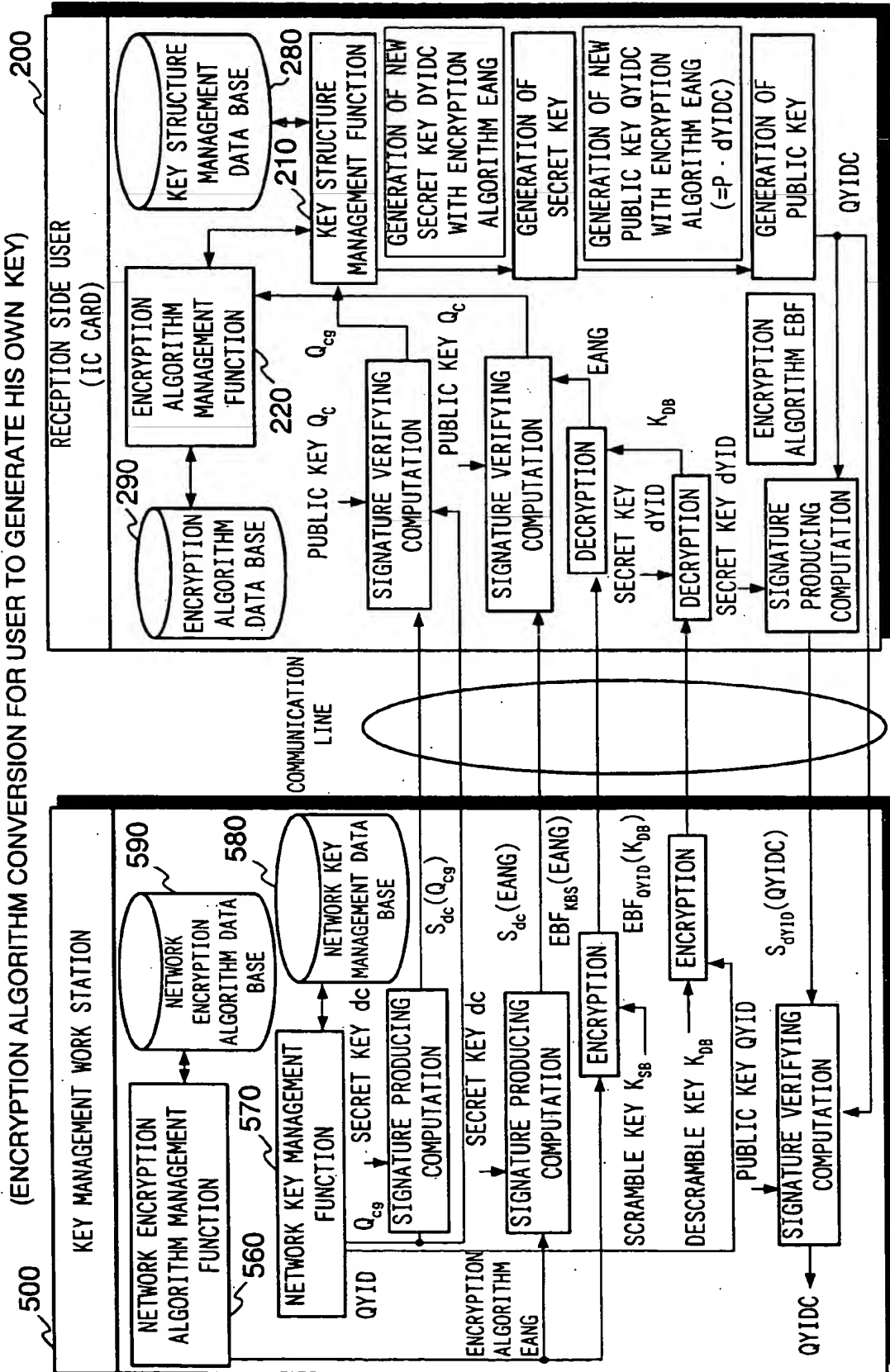
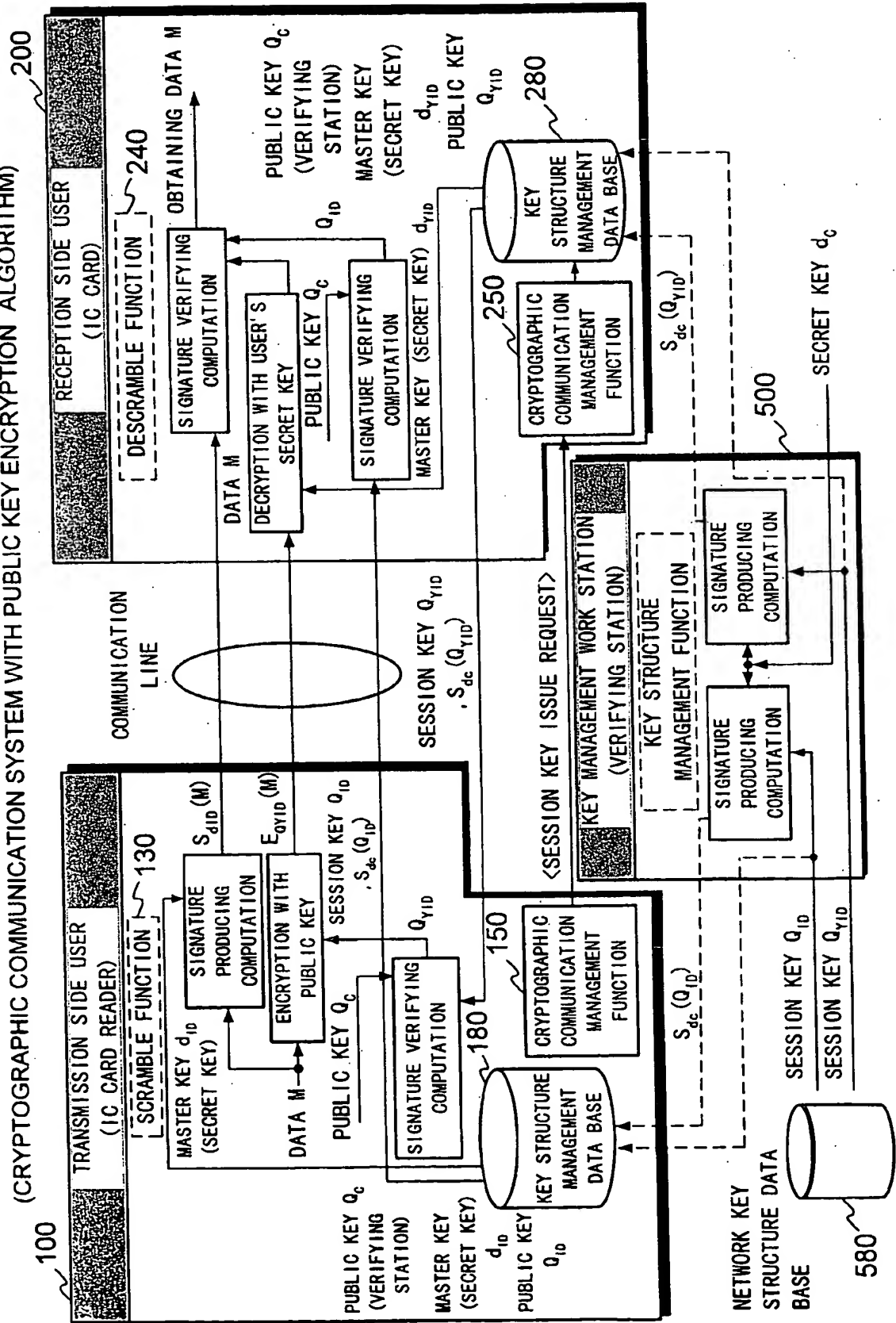


FIG. 21

(CRYPTOGRAPHIC COMMUNICATION SYSTEM WITH PUBLIC KEY ENCRYPTION ALGORITHM)





22/25

FIG. 22

(NETWORK COMMUNICATION SYSTEM
IN WHICH A PLURALITY OF ENCRYPTION ALGORITHMS EXIST)

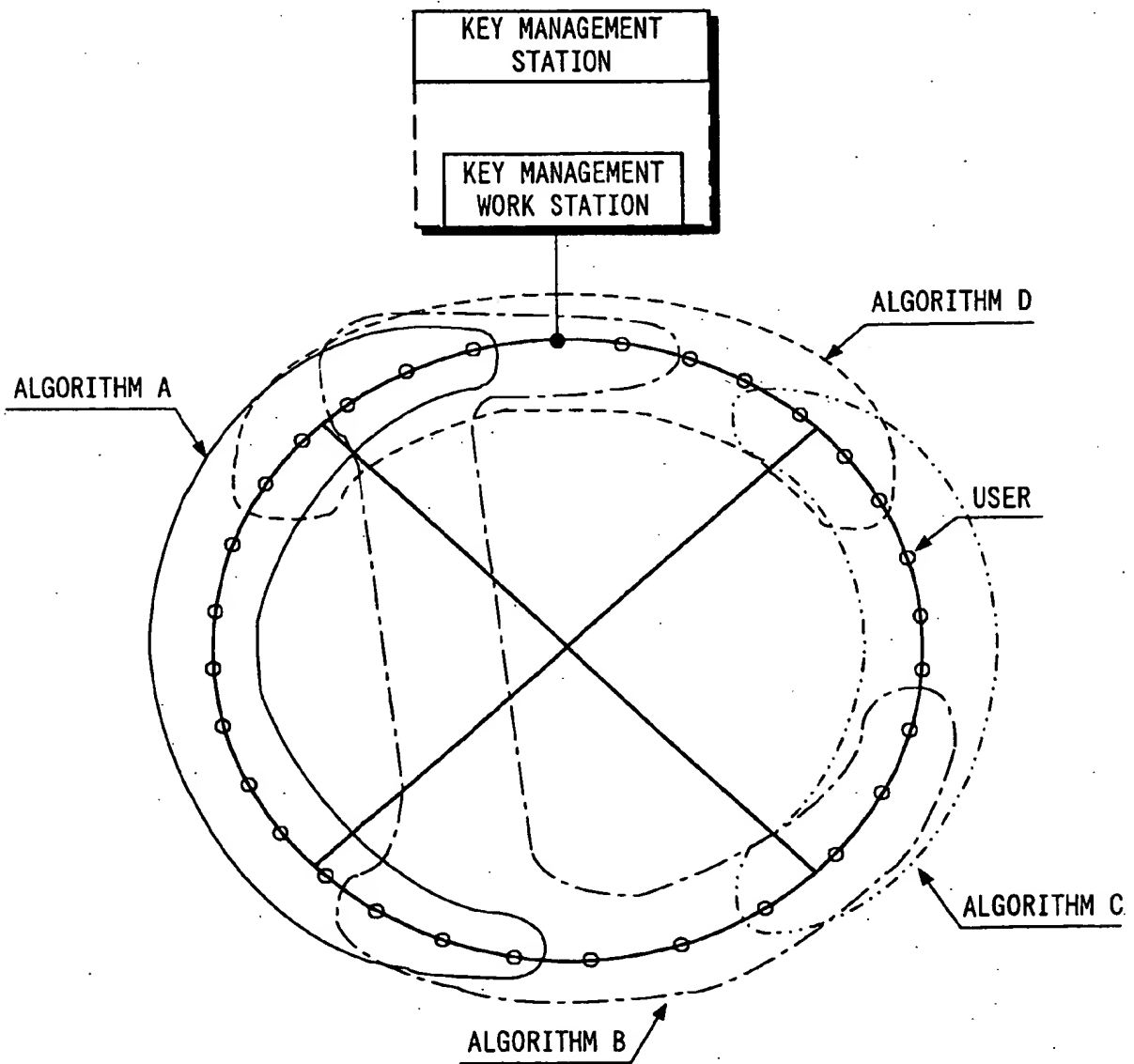


FIG. 23

(KEY RECOVERY FUNCTION (ENCRYPTION))

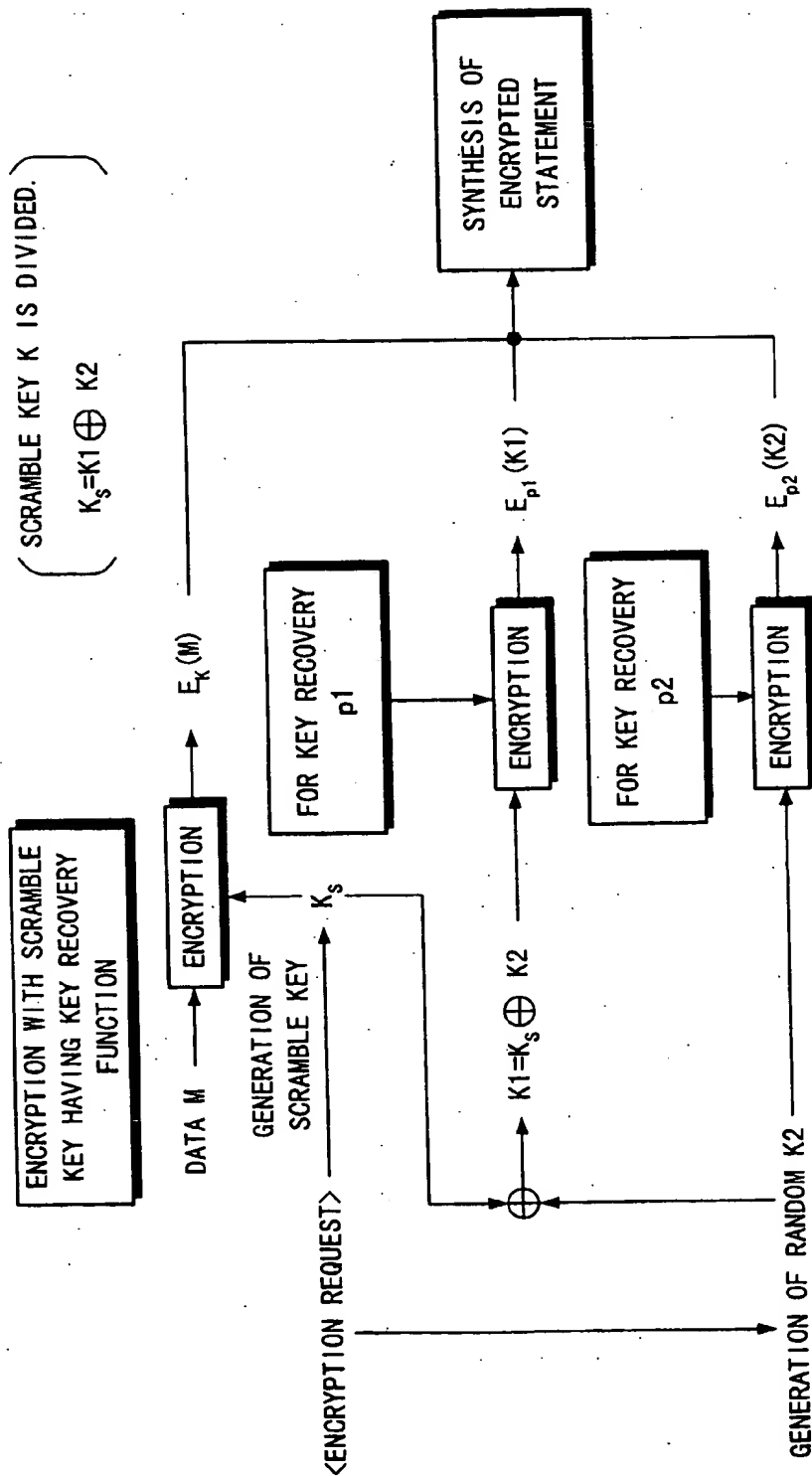


FIG. 24

(KEY RECOVERY FUNCTION (DECRYPTION))

